

Qy 933 GGCAATTCGATCTCTGTCTCAACAACGGA---ACGGCAGCTGGAGCTGCTGTCCG 9899
||| || || || || || || || || || || || || || || || || || || || || ||
Db 566 GCGCTCACGCACCTCGCTGTCTCAGAAGAACTGAAGGAGCGGACGCTGGAGCTGCTGCCA 625

Qy 990 GGAGTGGAGTGCGCTGGCAGAGGCGACATGGC-TGCCACTGCTGC 1035
|| || || || | || | || | || | || | || | || | || | || | || | || | || |
Db 626 GCGCGTGGAGTCCCGCGCGGAGCGCGACCGCGTGCCTCTCTGCTGC 672

RESULT 5

US-09-126-640-2

; Sequence 2, Application US/09126640A

; Patent No. 6099823

; GENERAL INFORMATION:

; APPLICANT: FALB, Dean A.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE

; TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF CARDIOVASCULAR DISEASE

; FILE REFERENCE: 7853-126

; CURRENT APPLICATION NUMBER: US/09/126,640A

; CURRENT FILING DATE: 1998-07-30

; EARLIER APPLICATION NUMBER: 08/870,434

; EARLIER FILING DATE: 1997-06-06

; EARLIER APPLICATION NUMBER: 08/799,910

; EARLIER FILING DATE: 1997-02-13

; EARLIER APPLICATION NUMBER: 60/011,787

; EARLIER FILING DATE: 1996-02-16

; NUMBER OF SEQ ID NOS: 44

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 2

; LENGTH: 3103

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-126-640-2

Query Match 3.3%; Score 40.6; DB 3; Length 3103;

Best Local Similarity 73.8%; Pred. No. 0.06;

Matches 79; Conservative 0; Mismatches 24; Indels 4; Gaps

Qy 933 GGCAATTCGATCTCTGTCTCAACAACGGA---ACGGCAGCTGGAGCTGCTGTCCG 9899
||| || || || || || || || || || || || || || || || || || || || || ||
Db 566 GCGCTCACGCACCTCGCTGTCTCAGAAGAACTGAAGGAGCGGACGCTGGAGCTGCTGCCA 625

Qy 990 GGAGTGGAGTGCGCTGGCAGAGGCGACATGGC-TGCCACTGCTGC 1035
|| || || || | || | || | || | || | || | || | || | || | || | || | || |
Db 626 GCGCGTGGAGTCCCGCGCGGAGCGCGACCGCGTGCCTCTCTGCTGC 672

RESULT 6

US-08-925-588-3

; Sequence 3, Application US/08925588

; Patent No. 6221628

; GENERAL INFORMATION:

; APPLICANT: Falb, Dean

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR

; THE TREATMENT AND DIAGNOSIS OF

; CARDIOVASCULAR DISEASE

; NUMBER OF SEQUENCES: 44

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: PENNIE & EDMONDS LLP

; STREET: 1155 Avenue of the Americas

; CITY: New York

; STATE: NY

; COUNTRY: USA

; ZIP: 10036-2711

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: FastSeq Version 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/925,588

; FILING DATE: 08-Sep-1997

; CLASSIFICATION: <Unknown>

Qy	729		ATCTTTTGTCCTCCACCCACAACACCRAAGAAAATAAACAAGGAGGGAGGATGAAGA	788
Db	58		ATCATCTGTGCACCTTGCACACCGTCAGCAGCTACACCTTCAGCAGATGCTACCGTCAAC	117
Qy	789		TTCGGGCTCTACTACCCCCCTCCAGTAGcAGAAACACCTGTACCATCTCCTTCAGTAACAGA	848
Db	118		TTTGTCTATTGACACAGCACAGGATATCAGCAGAACCCCTGCACCATGCCCATTTCAAAGAACCG	177
Qy	849	AATAGAGACCCC A	861	
Db	178	TATAAGTACAGCA	190	

RESULT 14
US-08-748-479-6
; Sequence 6, Application US/08748479
; Patent No. 5925748
; GENERAL INFORMATION:
; APPLICANT: Stone, Edwin M.
; APPLICANT: Sheffeld, Val C.
; APPLICANT: Alward, Wallace L.M.
; TITLE OF INVENTION: DNA DIAGNOSTICS FOR GLAUCOMA

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GenCore version 5.1.3
Copyright (c) 1993 - 2002 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: December 24, 2002, 16:30:47 ; Search time 28.6446 Seconds
(without alignments)
10706.274 Million cell updates/sec

Title: US-09-708-724A-3_COPY_1_1000

Perfect score: 1000

Sequence: 1 agccagactaggatgagcc.....cacacatagatgcagagga 1000

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued_Patents_NA.*
1: /cgn2_6/ptodata/1/ina/5A_COMB.seq.*
2: /cgn2_6/ptodata/1/ina/5B_COMB.seq.*
3: /cgn2_6/ptodata/1/ina/6A_COMB.seq.*
4: /cgn2_6/ptodata/1/ina/6B_COMB.seq.*
5: /cgn2_6/ptodata/1/ina/PTCUS_COMB.seq.*
6: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
1	47.4	4.7	7218	1	US-08-232-463-14
2	36	3.6	7218	1	US-08-232-463-14
3	33.2	3.3	169998	4	US-09-676-610B-24
4	32.4	3.2	29598	4	US-09-341-587-6
5	32.2	3.2	3476	3	US-08-630-916A-47
6	31.4	3.1	876	4	US-08-446-935-2
7	31.4	3.1	1281	4	US-09-082-092-8
8	31.4	3.1	1876	4	US-09-082-092-5
9	31.4	3.1	2395	4	US-08-446-935-7
10	31.4	3.1	3103	3	US-08-826-246-3
11	31.4	3.1	3103	3	US-08-944-495-3
12	31.4	3.1	3103	3	US-09-126-640-2
13	31.4	3.1	3103	4	US-08-925-588-3
14	31.4	3.1	3103	4	US-09-288-292A-2
15	31.4	3.1	3111	3	US-09-487-444-3
16	31.4	3.1	5356	4	US-08-446-935-1
17	30.8	3.1	604	4	US-09-221-298-9
18	30.8	3.1	607	4	US-09-385-882-272
19	30.8	3.1	2049	1	US-08-268-797-1
20	30.8	3.1	2049	5	PCT-US95-08414-1
21	30.8	3.1	2691	1	US-07-878-960-1
22	30.6	3.1	1227	4	US-08-818-112-35
23	30.6	3.1	1227	4	US-08-818-111-35
24	30.6	3.1	1227	4	US-09-056-556-35
25	30.6	3.1	1227	4	US-09-072-596-35
26	30.6	3.1	3639	4	US-09-605-785-779
27	30.6	3.1	3848	4	US-09-112-096-28

28	30.6	3.1	5668	4	US-09-112-096-14
29	30.6	3.1	5668	4	US-09-605-785-777
30	30.4	3.0	28001	4	US-09-819-993-3
31	30.4	3.0	29629	4	US-09-729-995-3
32	30.4	3.0	36741	4	US-09-301-665-3
33	30	3.0	1308	4	US-09-123-912-109
34	30	3.0	1308	4	US-09-643-597-109
35	30	3.0	1419	4	US-09-123-912-111
36	30	3.0	1419	4	US-09-643-597-111
37	30	3.0	49272	1	US-08-614-770A-1
38	30	3.0	50000	4	US-09-146-053-4
39	29.8	3.0	1413	4	US-09-813-918-1
40	29.8	3.0	1536	4	US-09-268-992-44
41	29.8	3.0	1536	4	US-09-657-474-44
42	29.6	3.0	1260	1	US-08-029-404-1
43	29.6	3.0	1260	3	US-08-459-953A-1
44	29.6	3.0	1591	3	US-08-468-856B-9
45	29.6	3.0	1591	3	US-08-468-859A-9

ALIGNMENTS

RESULT 1
US-08-232-463-14
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,463
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/935,313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 300.6
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 30472/114 IMM
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)836-9300
; TELEFAX: (703)683-4109
; TELEX: 899149
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7218 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: pTZgpt-F1s
; US-08-232-463-14

Query Match 4.7%; Score 47.4; DB 1; Length 7218;

Query Match 3.1%; Score 31.4; DB 4; Length 1281;
Best Local Similarity 56.5%; Pred. No. 4.5;
Matches 100; Conservative 0; Mismatches 71; Indels 6; Gaps 2;
QY 25 GAGGGGAAGGAGTGGAGGACAGGCTGCACTCTACTTGG--TGCCCGCAGACCCAGACTG 82
DB 461 GAGTAGGAGGAGGGGCTGCCAGGCTGGCGCGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 402
QY 83 CATGCCAGGCTGCAGTCCAAAGGATACATCG----GTGCGGGTCCCTGTCTCCCGCCCATAGCA 138
DB 401 CAGTCCAGGCGGGCGGAGCAGGAGGACGCGGTGCGCGTCCCGCGGGGACTCCACG 342
QY 139 TCTTAGATCAGCTGCTGAGGCTGAGGCTTCTTCCATTCCTTGAGCATCAGGGGTGTG 195
DB 341 GCCTGAGCAGCAGCTCCAGCTGCCGCTCTTCACTTCTTGAGCAGCAGTGCCTG 285

RESULT 8

US-09-082-092-5/c

; Sequence 5, Application US/09082092
; Patent No. 6251628
; GENERAL INFORMATION:
; APPLICANT: Nakao, Atsuhito
; APPLICANT: Moren, Anita
; APPLICANT: Heuchel, Rainer
; APPLICANT: Itoh, Susumu
; APPLICANT: Afrakhte, Mozghan
; APPLICANT: Souhelnytskyi, Serhiy
; APPLICANT: Brodin, Greger
; APPLICANT: Landstrom, Marene
; APPLICANT: Heldin, Nils-Erik
; APPLICANT: Heldin, Carl-Henrik
; APPLICANT: ten Dijke, Peter
; TITLE OF INVENTION: SHAD7 AND USES THEREOF
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: MA
; COUNTRY: U.S.A.
; ZIP: 02210-2211

COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/082,092
; FILING DATE: 20-MAY-1998

CLASSIFICATION:

; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/047,221
; FILING DATE: 20-MAY-1997
; APPLICATION NUMBER: 60/060,465
; FILING DATE: 30-SEP-1997
; APPLICATION NUMBER: 60/075,940
; FILING DATE: 25-FEB-1998
; APPLICATION NUMBER: 60/077,033
; FILING DATE: 06-MAR-1998

ATTORNEY/AGENT INFORMATION:

; NAME: Van Amsterdam, John R.
; REGISTRATION NUMBER: 40,212
; REFERENCE/DOCKET NUMBER: L0461/7032
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-720-3500
; TELEFAX: 617-720-2441
; TELEX:

INFORMATION FOR SEQ ID NO: 5:

; SEQUENCE CHARACTERISTICS:
; LENGTH: 1876 base pairs
; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; FEATURE:

; NAME/KEY: Coding Sequence

; LOCATION: 50...1327

; OTHER INFORMATION:

US-09-082-092-5

Query Match

Best Local Similarity 3.1%; Score 31.4; DB 4; Length 1876;
Matches 100; Conservative 56.5%; Pred. No. 5.7;

Matches 100; Conservative 0; Mismatches 71; Indels 6; Gaps 2;

QY 25 GAGGGGAAGGAGTGGAGGACAGGCTGCACTCTACTTGG--TGCCCGCAGACCCAGACTG 82

DB 510 GAGTAGGAGGAGGGGCTGCCAGGCTGGCGCGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 451

QY 83 CATGCCAGGCTGCAGTCCAAAGGATACATCG---GTGCGGGTCCCTGTCTCCCGCCCATAGCA 138

DB 450 CAGTCCAGGCGGGCGGAGGAGGACGCGGTGCGCGTCCCGCGGGGACTCCACG 391

QY 139 TCTTAGATCAGCTGCTGAGGCTGGAGCTTCTTCCATTCCTTGAGCATCAGGGGTGTG 195

DB 390 GCCTGAGCAGCAGCTCCAGCTGCCGCTCTTCACTTCTTGAGCAGCAGTGCCTG 334

RESULT 9

US-08-446-935-7/c

; Sequence 7, Application US/08446935
; Patent No. 6187991
; GENERAL INFORMATION:
; APPLICANT: Soeller, Walter C.
; APPLICANT: Carthy, Maynard D.
; APPLICANT: Kreutter, David K.
; TITLE OF INVENTION: TRANSGENIC ANIMAL MODELS FOR TYPE II
; TITLE OF INVENTION: DIABETES MELLITUS
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pfizer Inc.
; STREET: 235 East 42nd Street, 20th Floor
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10017-5755

COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/446,935
; FILING DATE:

CLASSIFICATION:

; ATTORNEY/AGENT INFORMATION:
; NAME: Sheyka, Robert F.
; REGISTRATION NUMBER: 31,304
; REFERENCE/DOCKET NUMBER: PC8153
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)573-1189
; TELEFAX: (212)573-1939
; TELEX: N/A
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2395 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)

Query Match

Best Local Similarity 3.1%; Score 31.4; DB 4; Length 2395;
Matches 74; Conservative 51.0%; Pred. No. 6.5;

Matches 74; Conservative 0; Mismatches 71; Indels 0; Gaps 0;

; NAME/KEY: CDS
; LOCATION: (288)...(1565)
US-09-288-292A-2

Query Match 3.1%; Score 31.4; DB 4; Length 3103;
Best Local Similarity 56.5%; Pred. No. 7.5;
Matches 100; Conservative 0; Mismatches 71; Indels 6; Gaps 2;
QY 25 GAGGGAGAGGATGTTGGAGGCACAGGCTGCACCTCTACTTGG--TGCCCCCAGAGACCCAGACTG 82
DB 748 GAGTAGGACGAGGGCGGCTGCGCAGGCTGCGCGCGGGCGCCCCCGGGCCAGCCTG 689
QY 83 CATGCCAGGCTGCAGTCCAAAGGATACTCG----GTGCGGGTCCCTGTCCCCCATAGCA 138
DB 688 CAGTCCAGGCGCGGGCAGCAGGAGGACGCGGTGCGCTCCCGCGGGACTCCACG 629
QY 139 TCTTAGATCAGCTGCTGAGGCTGGAGCTTCTTCCATTCTTGAGCATCAGGGGTGTG 195
DB 628 GCCTGGAGCAGCAGCTCCAGCTGCGCGCTCCTTCAGTTTCTTGAGCACCAGAGTGCCTG 572

RESULT 15

US-09-487-444-3/c
; Sequence 3, Application US/09487444
; Patent No. 6159697
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SMAD7 EXPRESSION
; FILE REFERENCE: RTS-0133
; CURRENT APPLICATION NUMBER: US/09/487,444
; CURRENT FILING DATE: 2000-01-19
; NUMBER OF SEQ ID NOS: 49
; SEQ ID NO 3
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (296)...(1576)
US-09-487-444-3

Query Match 3.1%; Score 31.4; DB 3; Length 3111;
Best Local Similarity 56.5%; Pred. No. 7.5;
Matches 100; Conservative 0; Mismatches 71; Indels 6; Gaps 2;
QY 25 GAGGGAGAGGATGTTGGAGGCACAGGCTGCACCTCTACTTGG--TGCCCCCAGAGACCCAGACTG 82
DB 756 GAGTAGGACGAGGGCGGCTGCGCAGGCTGCGCGCGGGCGCCCCCGGGCCAGCCTG 697
QY 83 CATGCCAGGCTGCAGTCCAAAGGATACTCG----GTGCGGGTCCCTGTCCCCCATAGCA 138
DB 696 CAGTCCAGGCGCGGGCAGCAGGAGGACGCGGTGCGGGTCCCGCGGGACTCCACG 637
QY 139 TCTTAGATCAGCTGCTGAGGCTGGAGCTTCTTCCATTCTTGAGCATCAGGGGTGTG 195
DB 636 GCCTGGAGCAGCAGCTCCAGCTGCGCGCTCCTTCAGTTTCTTGAGCACCAGAGTGCCTG 580

Search completed: December 24, 2002, 23:19:26
Job time : 174.645 secs


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RESULT 12
US-08-889-402-3/c
; Sequence 3, Application US/08889402
; Patent No. 5811288
; GENERAL INFORMATION:
; TITLE OF INVENTION: NOVEL ISOFORM GENE FOR FOCAL ADHESION
; TITLE OF INVENTION: PROTEIN PAXILLIN
; NUMBER OF SEQUENCES: 7
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/889,402
; FILING DATE:
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 178334/1996
; FILING DATE: 08-JUL-1996
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1776 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; US-08-889-402-3

Query Match 3.3%; Score 32.6; DB 1; Length 1776;
Best Local Similarity 52.6%; Pred. No. 1;
Matches 71; Conservative 0; Mismatches 64; Indels 0; Gaps

QY 210 CTGTGGAGCCAGCAACTGATGAGGCTTAAGTCTCTGTTGATGACATGCTCTGACCC 269
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1057 CTGTGGCGACCCAGCTGTTTCAGGCTCAGACTGCAGGGTCCCGACGATGCTGCCAGCT 998
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 270 GCGCGCCCTGGTGTGTGTCAGCATAGGAAGTATAAGGGATGAGGCTAGTCTATGGGCCA 329
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 997 GGCTCCCGGGCTTCGGGGGCCCCCAGGGGTGAGTCTCCCTGCTCCCTGGGCCA 938
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 330 TGGAGCCTTCTCAT 344
      ||||| ||||| |||||
Db 937 TGAACCCCTCCCTCGT 923
      ||||| ||||| |||||

RESULT 13
US-08-889-402-5/c
; Sequence 5, Application US/08889402
; Patent No. 5811288
; GENERAL INFORMATION:
; TITLE OF INVENTION: NOVEL ISOFORM GENE FOR FOCAL ADHESION
; TITLE OF INVENTION: PROTEIN PAXILLIN
; NUMBER OF SEQUENCES: 7
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/889,402
; FILING DATE:
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 178334/1996
; FILING DATE: 08-JUL-1996
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1776 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double

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; TYPE: DNA
; ORGANISM: Homo sapien
US-09-605-785-698

Query Match 3.7%; Score 36.6; DB 4; Length 3674;
Best Local Similarity 58.9%; Pred. No. 0.071;
Matches 63; Conservative 0; Mismatches 44; Indels 0; Gaps 0;

QY 783 AGAAATGCAACTACTTCAGTGACAAGAGATAATATCATCTTCTGACAGAGGAGGAATT 842
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 3293 AGGAGACCCAGCTGCTCAGGTGGCTGCAATCATTCATAGACCTTCATCTGGGAGGAACT 3352

QY 843 TGGGGTTTGGTCCAGTCCATGAAGTGGCACAGTCAGATAAAAGGT 889
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 3353 GGGGGCCTGGTCTCTGGGTCCAGAGAGCACCAGTCAGGTGAGAGCT 3399

RESULT 7
US-08-752-760A-1/c
; Sequence 1, Application US/08752760A
; Patent No. 5877011
; GENERAL INFORMATION:
; APPLICANT: Armentano, Donna
; APPLICANT: Gregory, Richard J.
; APPLICANT: Smith, Alan E.
; TITLE OF INVENTION: CHIMERIC ADENOVIRAL VECTORS
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Baker & Botts, L.L.P.
; STREET: 30 Rockefeller Plaza
; CITY: New York
; STATE: NY
; COUNTRY: U.S.A.
; ZIP: 10112
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA: US/08/752,760A
; FILING DATE: 20-NOV-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Seide, Rochelle K
; REGISTRATION NUMBER: 32,300
; REFERENCE/DOCKET NUMBER: A31385
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-705-5000
; TELEFAX: 212-705-5020
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 35081 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-752-760A-1

Query Match 3.7%; Score 36.6; DB 2; Length 35081;
Best Local Similarity 47.8%; Pred. No. 0.31;
Matches 108; Conservative 0; Mismatches 119; Indels 0; Gaps 0;

QY 671 AAAAGCCCCAGAGACTGCCCTGTCTCTCCCCACAAGTTCATTTATTTCTTC 730
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 27017 AGACCCCTTCATGGTCTCTCCCAACAATGCTGTGACCCACAGAGATAAGATTTTGATTC 26958

QY 731 CACCCAGGAGCTGTCAGAAATCCTGCCCTTCCTGTCCTCCAGATCAAAGTCCTTCAGGAAATG 790
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 26957 GATCCACAGAGGAGGTAAATACAGACACCGCTATSCACCCAGGAGGACACCCCTAAAAAT 26898

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Best Local Similarity 5.3%; Pred. No. 6.5e-05;
Matches 19; Conservative 192; Mismatches 147; Indels 0; Gaps 0;

QY 367 AGGGAATATAATCAACACTAATAAGAGGAGGAGTGGAGCTGTGCTTTGAG 426
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1383 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1324
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 427 GGAGATGGCGATGTAAGTCAGTGACACCGTGGGAGGACACTCCCTGGCTCCATCC 486
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1323 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1264
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 487 TCTGCATCTAGATTATTGGACAGTTGTATACACAGAGGAGGAGCACCCCA 546
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1263 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1204
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 547 TGGAGGTTTATTAGTAATATAATCAATGATAAATCCCTAGAGGAGGACTTTTAT 606
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1203 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1144
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 607 AATCACTCTGAGAACAGTTGGAGTACATGGGATTGGAGGGAGGTGGAGCCCTTA 666
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1143 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1084
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 667 AAGAAAGCCCCAGAGACTGCCCTGCCTCTCTCTCCCCACAAAGTCCATTATT 724
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1083 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1026

RESULT 2
US-09-605-785-334
; Sequence 334, Application US/09605785
; Patent No. 6321716
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Derrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C16
; CURRENT APPLICATION NUMBER: US/09/605,785
; CURRENT FILING DATE: 2000-06-27
; NUMBER OF SEQ ID NOS: 835
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 334
; LENGTH: 2417
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-605-785-334

Query Match 3.7%; Score 36.6; DB 4; Length 2417;
Best Local Similarity 58.9%; Pred. No. 0.054;
Matches 63; Conservative 0; Mismatches 44; Indels 0; Gaps 0;

QY 783 AGGAATGCACTACTTCAGTGACAGAGATAATTATCATCTTCTGCACAGAGGAATT 842
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 2054 AGGAGACCCAGCTGCTCAGTGGCTGCAATCATTCACAGCCTTCCTCTGGGAGGA 2113
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 843 TGGGGTTGGTCCCGAGTCCAGTGGCAGACAGTCCAGATAAAAGGT 889
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 2114 GGGGCCCTGGTTCTGGGTGACAGAGCAGCCAGTGGGTGAGAGCT 2160

RESULT 4
US-09-352-616A-334
; Sequence 334, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqi
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 334
; LENGTH: 2417
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-352-616A-334

Query Match 3.7%; Score 36.6; DB 4; Length 2417;
Best Local Similarity 58.9%; Pred. No. 0.054;
Matches 63; Conservative 0; Mismatches 44; Indels 0; Gaps 0;

QY 783 AGGAATGCACTACTTCAGTGACAGAGATAATTATCATCTTCTGCACAGAGGAATT 842
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 2054 AGGAGACCCAGCTGCTCAGTGGCTGCAATCATTCACAGCCTTCCTCTGGGAGGA 2113
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 843 TGGGGTTGGTCCCGAGTCCAGTGGCAGACAGTCCAGATAAAAGGT 889
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 2114 GGGGCCCTGGTTCTGGGTGACAGAGCAGCCAGTGGGTGAGAGCT 2160
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OM nucleic - nucleic search, using sw model

Run on: December 24, 2002, 16:30:47 ; Search time 28.6732 Seconds
(without alignments)
10706.274 Million cell updates/sec

Title: US-09-708-724A-3_COPY_50000_51000

Perfect score: 1001

Sequence: 1 agcaactgtaagtctgggc.....ggccctgctgcatgtgacc 1001

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 20000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued_Patents_NA:*

- 1: /cgn2_6/ptodata/1/ina/5A.COMB.seq.*
- 2: /cgn2_6/ptodata/1/ina/5B.COMB.seq.*
- 3: /cgn2_6/ptodata/1/ina/6A.COMB.seq.*
- 4: /cgn2_6/ptodata/1/ina/6B.COMB.seq.*
- 5: /cgn2_6/ptodata/1/ina/PCTUS.COMB.seq.*
- 6: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
c 1	46	4.6	7218	1	US-08-232-463-14
2	36.6	3.7	2417	4	US-09-605-785-334
3	36.6	3.7	2417	4	US-09-439-313-334
4	36.6	3.7	2417	4	US-09-352-616A-334
5	36.6	3.7	2417	4	US-09-232-149A-334
6	36.6	3.7	3674	4	US-09-605-785-698
c 7	36.6	3.7	35081	2	US-08-752-760A-1
c 8	33	3.3	593	4	US-08-998-416-230
9	33	3.3	7218	1	US-08-232-463-14
10	32.8	3.3	3222	4	US-09-206-942-48
11	32.8	3.3	3240	4	US-09-206-942-46
c 12	32.6	3.3	1776	1	US-08-889-402-3
c 13	32.6	3.3	1776	1	US-08-889-402-5
14	31.6	3.2	3651	2	US-08-790-374-1
15	31	3.1	279	4	US-09-276-533A-5
16	31	3.1	4190	3	US-08-938-291A-2
c 17	30.8	3.1	1030	4	US-09-073-898-144
18	30.8	3.1	1278	4	US-08-960-780-26
19	30.8	3.1	1278	4	US-09-073-898-26
20	30.8	3.1	3645	2	US-08-663-112-1
c 21	30.6	3.1	483	1	US-08-644-664B-8
c 22	30.6	3.1	483	2	US-08-761-277A-8
c 23	30.6	3.1	483	2	US-08-715-808-15
c 24	30.6	3.1	555	6	5225348-7
c 25	30.6	3.1	583	6	5225348-8
c 26	30.6	3.1	599	6	5225348-9
c 27	30.6	3.1	1451	1	US-08-644-664B-11

Sequence 11, Appl
Sequence 14, Appl
Sequence 1, Appl
Patent No. 5225348
Sequence 1, Appl
Sequence 1, Appl
Sequence 9, Appl
Patent No. 5225348
Sequence 3, Appl
Sequence 2, Appl
Sequence 79, Appl
Sequence 3, Appl
Sequence 2, Appl
Sequence 16, Appl
Sequence 17, Appl
Sequence 8, Appl
Sequence 3, Appl

ALIGNMENTS

RESULT 1

US-08-232-463-14/C
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,463
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/935,313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 300.6
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 30472/114 IMM
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)836-9300
; TELEFAX: (703)683-4109
; TELEX: 899149
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7218 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: ptzgt-F1s
; US-08-232-463-14
Query Match 4.6%; Score 46; DB 1; Length 7218;

GenCore version 5.1.3
Copyright (c) 1993 - 2002 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: December 24, 2002, 16:30:47 ; Search time 28.6732 Seconds
(without alignments)
10706.274 Million cell updates/sec

Title: us-09-708-724a-3_COPY_70000_71000

Perfect score: 1001

Sequence: 1 ggagatggataaacgctgtg.....ccaatcaggagtctatgtg 1001

Scoring table: IDENTITY_NUC

Gap 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:*

1: /cgn2_6/ptodata/1/ina/5A_COMB.seq.*
2: /cgn2_6/ptodata/1/ina/5B_COMB.seq.*
3: /cgn2_6/ptodata/1/ina/6A_COMB.seq.*
4: /cgn2_6/ptodata/1/ina/6B_COMB.seq.*
5: /cgn2_6/ptodata/1/ina/PCFUS_COMB.seq.*
6: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	103.2	10.3	254	4	US-09-112-096-8
C 2	38.4	3.8	7218	1	US-08-232-463-14
C 3	37	3.7	963	1	US-08-362-739-1
C 4	35.6	3.6	7218	1	US-08-232-463-14
C 5	34	3.4	14602	1	US-08-597-236-1
C 6	34	3.4	14602	1	US-08-746-682A-1
C 7	33.6	3.4	500	3	US-09-141-000-2
C 8	33	3.3	2430	4	US-08-845-258-3
C 9	33	3.3	2430	4	US-08-845-258-3
C 10	33	3.3	2430	4	US-08-990-571-3
C 11	33	3.3	2430	4	US-08-990-571-3
C 12	33	3.3	2430	4	US-08-723-142A-3
C 13	33	3.3	2430	4	US-08-723-142A-3
C 14	33	3.3	2430	4	US-09-528-784A-3
C 15	33	3.3	2430	4	US-09-528-784A-3
C 16	32	3.2	10007	4	US-09-410-464-13
C 17	31.2	3.1	2940	3	US-08-870-529-1
C 18	31.2	3.1	3264	3	US-08-870-529-8
C 19	31	3.1	3030	2	US-08-680-326-24
C 20	30.8	3.1	84495	4	US-09-797-906-3
C 21	30.6	3.1	1269	4	US-09-134-001C-1211
C 22	30.2	3.0	55827	4	US-09-813-133A-3
C 23	30	3.0	645	4	US-08-543-246B-12
C 24	30	3.0	699	4	US-08-543-246B-12
C 25	30	3.0	1333	4	US-08-543-246B-11
C 26	30	3.0	1387	4	US-08-543-246B-1
C 27	29.8	3.0	729	4	US-08-998-416-258

RESULT 1

US-09-112-096-8/c
; Sequence 8, Application US/09112096
; Patent No. 6194152
; GENERAL INFORMATION:
; APPLICANT: Reiner Laus
; APPLICANT: Michael H. Shapiro
; APPLICANT: Larisa Tsavaler
; TITLE OF INVENTION: Prostate Tumor Polynucleotide and
; TITLE OF INVENTION: Antigen Compositions
; FILE REFERENCE: 7636-0015.30
; CURRENT APPLICATION NUMBER: US/09/112,096
; CURRENT FILING DATE: 1998-07-09
; EARLIER APPLICATION NUMBER: 60/056,110
; EARLIER FILING DATE: 1997-08-20
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 254
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-112-096-8

Query Match	10.3%	Score 103.2;	DB 4;	Length 254;
Best Local Similarity	77.8%	Pred. No. 3.6e-26;		
Matches 123;	Conservative	1;	Mismatches 34;	Indels 0;
				Gaps 0;
Qy	1	GGAGATGATTAACCGTGTGAGTCCCTCAAGTGTGTGTGGACCATGGAATGGAGACTG	60	
Db	159	GAAGATGAACAAACGAGTGGTGTCTCCCAAGGTGTGTACGACCGTTGAACAGGAGACTG	100	
Qy	61	GAGGATACATGATGATCCCACTACAGGCCAGCTCCCTCCAGTATGAGCCATGAGCCAGT	120	
Db	99	GAGGACCCATGATGATCCCACTGACCTGTTCCCCWGTATGACCATGACCATG	40	
Qy	121	GAATCTGAATGATGAATGAATGAAGACCGACGAGAG	158	
Db	39	GAATCTGAATGATGAATGAATGAAGACCGACGAGAG	2	
RESULT 2				
US-08-232-463-14				
; Sequence 14, Application US/08232463				
; Patent No. 5670367				
; GENERAL INFORMATION:				
; APPLICANT: DORNER, F.				
; APPLICANT: SCHEIFLINGER, F.				
; APPLICANT: FALKNER, F. G.				
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS				
; NUMBER OF SEQUENCES: 52				


```
Db 262 GATAATTTCCTTC 250
RESULT 4
US-08-232-463-14/c
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,463
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/935,313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 300.6
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 30472/114 IMMU
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)836-9300
; TELEFAX: (703)683-4109
; TELEX: 899149
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7218 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: ptz9pt-Fls
US-08-232-463-14
Query Match 3.68; Score 35.6; DB 1; Length 7218;
Best Local Similarity 3.08; Pred. No. 0.16;
Matches 8; Conservative 151; Mismatches 105; Indels 0; Gaps 0;
QY 1 GGAGATGATAAACCGTGTGAGTGCCTCAAGTTGTGTGCACCATGGAATGGGAGACTG 60
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1316 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1257
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 61 GAGGATACATGGATCCCACTACAGGCCAGCTCCTCCAGTATGAGCCATGAGCCAGTT 120
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1256 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1197
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 121 GAATCTGAATGTGAAGATGGAATGAACACCGACGAGACTCACATGAGTCAACCTCAT 180
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Db 1196 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1137
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 181 AACATGGGTGAGATCAAGAAACACACAGGAGCTGAGAAACTGGTGTAGTCCACAGG 240
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1136 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1077
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QY 241 TCAGGCAAAACCCCTGACTCCAT 264
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Db 1076 RRRRRRRRRATCGAAGCTCCCT 1053
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RESULT 5
US-08-597-236-1/c
; Sequence 1, Application US/08597236
; Patent No. 5733765
; GENERAL INFORMATION:
; APPLICANT: STINGELE, Francesca
; APPLICANT: MOLLET, Beat
; TITLE OF INVENTION: LACTIC BACTERIA PRODUCING
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americans
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/597,236
; FILING DATE:
; CLASSIFICATION: 426
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 95201669.9
; FILING DATE: 20-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Fanucci A., Allan
; REGISTRATION NUMBER: 30256
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14602 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 352..1803
; OTHER INFORMATION: /product= "epsA"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1807..2535
; OTHER INFORMATION: /product= "epsB"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 2547..3239
; OTHER INFORMATION: /product= "epsC"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 3249..3995
; OTHER INFORMATION: /product= "epsD"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 4051..4731
; OTHER INFORMATION: /product= "epsE"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 4898..5854
; OTHER INFORMATION: /product= "epsF"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 6425..7540
; OTHER INFORMATION: /product= "epsG"
; FEATURE:
; NAME/KEY: CDS
```

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;
; LOCATION: 7736..8212
; OTHER INFORMATION: /product= "epsH"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 8221..9192
; OTHER INFORMATION: /product= "epsI"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 9285..10364
; OTHER INFORMATION: /product= "epsJ"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 10392..11339
; OTHER INFORMATION: /product= "epsK"
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 11302..12222
; OTHER INFORMATION: /product= "CDS (eps L) covering CDS
; OTHER INFORMATION: (eps k) on nucleotides 10392-11339"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 12233..13651
; OTHER INFORMATION: /product= "epsM"
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 13732..14305
; OTHER INFORMATION: /function= "CDS on the
; OTHER INFORMATION: complementary strand"
; OTHER INFORMATION: /product= "orfz"
; FEATURE:
; NAME/KEY: terminator
; LOCATION: 230..252
; FEATURE:
; NAME/KEY: promoter
; LOCATION: 274..302
; FEATURE:
; NAME/KEY: RBS
; LOCATION: 340..345
; US-08-597-236-1
;
; Query Match 3.48; Score 34; DB 1; Length 14602;
; Best Local Similarity 52.98; Pred. No. 0.95;
; Matches 73; Conservative 0; Mismatches 65; Indels 0; Gaps 0;
;
; QY 515 TCACCAGCATATGCTGCAACTGCAGTTGCTTGCAGTTTGATCCCAAGCATGGTGA 574
; || |||| |||| |||| |||| |||| |||| |||| |||| |||| |||| ||||
; Db 406 TCCCCAGATCCATTACTCGTATGCTTTGCTTACGATTGCTACGCGAATCATATAA 347
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; QY 575 GTTACCAATAAAAAATTATGTACCTATTAGACCTTAGCTTTTATTAAATTTACTGTGTAG 634
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; Db 346 TTGCTCCTAAAAATTAAAAATTAGGTATGCCCATTTATTATTATTATTATAACATTAAATAC 287
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; QY 635 TTACTAATCACTCCTGGC 652
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; US-08-746-682A-1/c
; Sequence 1, Application US/08746682A
; Patent No. 5786184
; GENERAL INFORMATION:
; APPLICANT: STINGELE, Francesca
; APPLICANT: MOLLET, Beat
; TITLE OF INVENTION: LACTIC BACTERIA PRODUCING
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americans
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
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; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/746,682A
; FILING DATE: 14-NOV-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/597,236
; FILING DATE: 20-JUN-1995
; APPLICATION NUMBER: EP 95201669.9
; FILING DATE: 20-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Farucci A., Allan
; REGISTRATION NUMBER: 30256
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14602 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 352..1803
; OTHER INFORMATION: /product= "epsA"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1807..2535
; OTHER INFORMATION: /product= "epsB"
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; LOCATION: 3249..3995
; OTHER INFORMATION: /product= "epsD"
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; NAME/KEY: CDS
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; OTHER INFORMATION: /product= "epsE"
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; NAME/KEY: CDS
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; OTHER INFORMATION: /product= "epsF"
; NAME/KEY: CDS
; LOCATION: 6425..7540
; OTHER INFORMATION: /product= "epsG"
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; NAME/KEY: CDS
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; OTHER INFORMATION: /product= "epsH"
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; NAME/KEY: CDS
; LOCATION: 8221..9192
; OTHER INFORMATION: /product= "epsI"
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; NAME/KEY: CDS
; LOCATION: 9285..10364
; OTHER INFORMATION: /product= "epsJ"
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; LOCATION: 10392..11339
; OTHER INFORMATION: /product= "epsK"
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 11302..12222
; OTHER INFORMATION: /product= "CDS (eps L) covering CDS
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OTHER INFORMATION: (eps k) on nucleotides 10392-11339*

FEATURE:
NAME/KEY: CDS
LOCATION: 12233..13651
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FEATURE:
NAME/KEY: misc_feature
LOCATION: 13732..14305
OTHER INFORMATION: /function= "CDS on the
OTHER INFORMATION: complementary strand"
OTHER INFORMATION: /product= "Orfz"
FEATURE:
NAME/KEY: terminator
LOCATION: 230..252
FEATURE:
NAME/KEY: promoter
LOCATION: 274..302
FEATURE:
NAME/KEY: RBS
LOCATION: 340..345
US-08-746-682A-1

Query Match 3.4%; Score 34; DB 1; Length 14602;
Best Local Similarity 52.9%; Pred. No. 0.95;
Matches 73; Conservative 0; Mismatches 65; Indels 0; Gaps 0;
Qy 515 TCACCCAGGATACATGCTCAACTGCGAGTTCCTTGCGAGTTGATCCCAAGCATGGTTGA 574
Db 406 TCCCCCAGCATCCATCTACTGCTGCTTTCGCTTACGATTCGTACGCGAATCATATAA 347
Qy 575 GTTACCATATAAAAAATATGACCTATTAGACCTTATGACCTTATTATAATATTCTGTGTAG 634
Db 346 TTGCTCTCAAAAATAAATAATAGGTATTCCCACTATTATTATTATTATAACATTAAATAC 287
Qy 635 TTACTATCACTCTCGGC 652
Db 286 AACCTCAATTTCAATTGC 269

RESULT 7

US-09-141-000-2/c

Sequence 2, Application US/09141000
Patent No. 6054295
GENERAL INFORMATION:
APPLICANT: Chen, Fang
TITLE OF INVENTION: DNA MOLECULES ENCODING HUMAN NUCLEAR
TITLE OF INVENTION: RECEPTOR PROTEINS
FILE REFERENCE: 19999Y
CURRENT APPLICATION NUMBER: US/09/141.000
CURRENT FILING DATE: 1998-08-26
NUMBER OF SEQ ID NOS: 30
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 2
LENGTH: 500
TYPE: PRT
ORGANISM: Human
US-09-141-000-2

Query Match 3.4%; Score 33.6; DB 3; Length 500;
Best Local Similarity 8.0%; Pred. No. 0.13;
Matches 23; Conservative 90; Mismatches 175; Indels 0; Gaps 0;

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Qy 563 AAGCATGCTTGAGTTACCATATAAAAAAATATGATCTATTAGACCTTAGCTTTTATTAATA 622
Db 415 .MBSR.D.BTWTA.Y....A..MCAW...DY.S..RH..T.D..H..M.BT..H..R. 356
Qy 623 TTACTGTGTAGTACTAATCACTCTCGGCCCAATGATGATGATGATGATGATGATGATGAT 682
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Qy 743 CTAGACAAATAGTCCATGTTAATGAGGAGACATATTGACTGGGGTCCCT 790
Db 235 C..KC...KTR.MH..TB..RSB.MA..MMT..S....S.R.SS.SH.Y 188

RESULT 8

US-08-845-258-3/c
Sequence 3, Application US/08845258
Patent No. 6183976
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Lodes, Michael J.
APPLICANT: Houghton, Raymond
APPLICANT: Sleath, Paul R.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DIAGNOSIS
TITLE OF INVENTION: AND TREATMENT OF B. MICROTI INFECTION
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED AND BERRY
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/845,258
FILING DATE: 24-APR-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.426C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 2430 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-845-258-3

Query Match 3.3%; Score 33; DB 4; Length 2430;
Best Local Similarity 52.6%; Pred. No. 0.63;
Matches 72; Conservative 0; Mismatches 65; Indels 0; Gaps 0;

Qy 571 TTGAGTTACCATATAAAAAAATATGTACCTATTAGACCTTACTTTTATTAATATTACTTGT 630
Db 2087 TTATGTTTCTATAGAAGGATCTTTCTGCTATTATTCTCTCATTTGAATTAATGATAAAT 2028
Qy 631 GTAGTACTAATCACTCTCGCCCATCACCCAAATTTCTACTGATTATACAGAAATGGCT 690
Db 2027 GAATGGAATATCAAAAATAAATATGATAAATAAATAAATAAATATACGACATGAAT 1968
Qy 691 CCCTTTGATAATCTCA 707
Db 1967 GGTATTCATTATTATTA 1951

RESULT 9

US-08-845-258-40
Sequence 40, Application US/08845258

Patent No. 6183976
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Lodes, Michael J.
APPLICANT: Houghton, Raymond
APPLICANT: Sleath, Paul R.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DIAGNOSIS
AND TREATMENT OF B. MICROTI INFECTION
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED AND BERRY
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/845,258
FILING DATE: 24-APR-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Makl, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.426C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 2430 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-845-258-40

Query Match 3.3%; Score 33; DB 4; Length 2430;
Best Local Similarity 52.6%; Pred. No. 0.63;
Matches 72; Conservative 0; Mismatches 65; Indels 0; Gaps 0;

QY 571 TTGAGTTACCATAAAAAAATTATGTACCTATTAGACCTTAGCTTTATTAAATTACTTGT 630
DB 344 TTATGTTCTTATAGAGGATCTTTCTGCTATATTCTCTCATTTGAATAATGATACAAAT 403
QY 631 GTAGTTACTAATCACTCTCGCCCATCACCCAAATTTACTGATTATACAGAAATGGGCT 690
DB 404 GAATGGAATAATCACAAAATAAATAATGATAAAAAATAAAGAAATATACGGACATGAAT 463
QY 691 CCCTTTGATAATTCCTCA 707
DB 464 GGTATTCATTATTATTA 480

RESULT 10
US-08-990-571-3/c
Sequence 3, Application US/08990571
Patent No. 6214971
GENERAL INFORMATION:
APPLICANT: Reed, Steven G. et al.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DIAGNOSIS AND TREATMENT OF B. M
NUMBER OF SEQUENCES: 79
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED AND BERRY
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/990,571
FILING DATE: 11-DEC-1997
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Makl, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.426C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 2430 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-990-571-3

Query Match 3.3%; Score 33; DB 4; Length 2430;
Best Local Similarity 52.6%; Pred. No. 0.63;
Matches 72; Conservative 0; Mismatches 65; Indels 0; Gaps 0;

QY 571 TTGAGTTACCATAAAAAAATTATGTACCTATTAGACCTTAGCTTTATTAAATTACTTGT 630
DB 2087 TTATGTTCTTATAGAGGATCTTTCTGCTATATTCTCTCATTTGAATAATGATACAAAT 2028
QY 631 GTAGTTACTAATCACTCTCGCCCATCACCCAAATTTACTGATTATACAGAAATGGGCT 690
DB 2027 GAATGGAATAATCACAAAATAAATAATGATAAAAAATAAAGAAATATACGGACATGAAT 1968
QY 691 CCCTTTGATAATTCCTCA 707
DB 1967 GGTATTCATTATTATTA 1951

RESULT 11
US-08-990-571-40
Sequence 40, Application US/08990571
Patent No. 6214971
GENERAL INFORMATION:
APPLICANT: Reed, Steven G. et al.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DIAGNOSIS AND TREATMENT OF B.
NUMBER OF SEQUENCES: 79
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED AND BERRY
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/990,571
FILING DATE: 11-DEC-1997
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Makl, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.426C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:

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; LENGTH: 2430 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-990-571-40

Query Match          3.3%; Score 33; DB 4; Length 2430;
Best Local Similarity 52.6%; Pred. No. 0.63;
Matches 72; Conservative 0; Mismatches 65; Indels 0; Gaps 0;

QY 571 TTGAGTTACCAATAAAAAATATGCTACCTATAGACCTTAGCTTTATATATATTACTTGT 630
DB 344 TTATGTTTCTATAGAAGACTTCTTCTGCTATATTCTCTCATTTGAATAATGATACAAAT 403
QY 631 GTAGTTACTATCACTCCTGCGCCCATCACCCAAATGTACTGATTATACAGAAATGGGCT 690
DB 404 GAATGGAATAATCACAAAATAAATAATATGATAAAAAATATAAAGAAATATACGGACATGAAT 463
QY 691 CCCTTTGATAATTTCTCA 707
DB 464 GGTATTCATTATTATTA 480

RESULT 12
US-08-723-142A-3/c
; Sequence 3, Application US/08723142A
; Patent No. 6306396
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Houghton, Raymond
; APPLICANT: Sleath, Paul R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DIAGNOSIS
; TITLE OF INVENTION: AND TREATMENT OF B. MICROTI INFECTION
; NUMBER OF SEQUENCES: 49
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED AND BERRY
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/723,142A
; FILING DATE: 01-OCT-1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.426
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
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; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-723-142A-3

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Best Local Similarity 52.6%; Pred. No. 0.63;
Matches 72; Conservative 0; Mismatches 65; Indels 0; Gaps 0;

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QY 691 CCCTTTGATAATTTCTCA 707
DB 1967 GGTATTCATTATTATTA 1951

RESULT 13
US-08-723-142A-40
; Sequence 40, Application US/08723142A
; Patent No. 6306396
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Houghton, Raymond
; APPLICANT: Sleath, Paul R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DIAGNOSIS
; TITLE OF INVENTION: AND TREATMENT OF B. MICROTI INFECTION
; NUMBER OF SEQUENCES: 49
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED AND BERRY
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/723,142A
; FILING DATE: 01-OCT-1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.426
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2430 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-723-142A-40
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Query Match          3.3%; Score 33; DB 4; Length 2430;
Best Local Similarity 52.6%; Pred. No. 0.63;
Matches 72; Conservative 0; Mismatches 65; Indels 0; Gaps 0;

QY 571 TTGAGTTACCAATAAAAAATATGCTACCTATAGACCTTAGCTTTATATATATTACTTGT 630
DB 344 TTATGTTTCTATAGAAGACTTCTTCTGCTATATTCTCTCATTTGAATAATGATACAAAT 403
QY 631 GTAGTTACTATCACTCCTGCGCCCATCACCCAAATGTACTGATTATACAGAAATGGGCT 690
DB 404 GAATGGAATAATCACAAAATAAATAATATGATAAAAAATATAAAGAAATATACGGACATGAAT 463
QY 691 CCCTTTGATAATTTCTCA 707
DB 464 GGTATTCATTATTATTA 480

RESULT 14
US-09-528-784A-3/c
; Sequence 3, Application US/09528784A
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; Patent No. 6451315
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Sleath, Paul R.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DIAGNOSIS
; TITLE OF INVENTION: AND TREATMENT OF B. MICROTI INFECTION
; FILE REFERENCE: 210121.426C4
; CURRENT APPLICATION NUMBER: US/09/528,784A
; CURRENT FILING DATE: 2000-03-17
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 2430
; TYPE: DNA
; ORGANISM: Babesia microti
US-09-528-784A-3
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Query Match 3.3%; Score 33; DB 4; Length 2430;
Best Local Similarity 52.6%; Pred. No. 0.63;
Matches 72; Conservative 0; Mismatches 65; Indels 0; Gaps 0;
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QY 571 TTGAGTTACCAATAAAAAATTATGCTACCTATGACACCTTAGCTTTTATTAATATTACTTGT 630
DB 2087 TTATGTTTCTTAGAAGGATCTTTCTGCTATTATTCTCTCATGAATAATGATACAAAT 2028
QY 631 GTAGTTACTAATCACTCTGCGCCCATCACCCCAATGTCTACTGATTATACAGAATGGGCT 690
DB 2027 GAATGGAATAATCAAAAATAAATATGATAAAAAATAAAGAATAATACGGACATGAAT 1968
QY 691 CCCTTTGATAATTCCTCA 707
DB 1967 GGTATTCATTATTATTA 1951
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RESULT 15
US-09-528-784A-40
; Sequence 40, Application US/09528784A
; Patent No. 6451315
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Sleath, Paul R.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DIAGNOSIS
; TITLE OF INVENTION: AND TREATMENT OF B. MICROTI INFECTION
; FILE REFERENCE: 210121.426C4
; CURRENT APPLICATION NUMBER: US/09/528,784A
; CURRENT FILING DATE: 2000-03-17
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 40
; LENGTH: 2430
; TYPE: DNA
; ORGANISM: Babesia microti
US-09-528-784A-40
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Query Match 3.3%; Score 33; DB 4; Length 2430;
Best Local Similarity 52.6%; Pred. No. 0.63;
Matches 72; Conservative 0; Mismatches 65; Indels 0; Gaps 0;
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QY 571 TTGAGTTACCAATAAAAAATTATGCTACCTATGACACCTTAGCTTTTATTAATATTACTTGT 630
DB 344 TTATGTTTCTTAGAAGGATCTTTCTGCTATTATTCTCTCATGAATAATGATACAAAT 403
QY 631 GTAGTTACTAATCACTCTGCGCCCATCACCCCAATGTCTACTGATTATACAGAATGGGCT 690
DB 404 GAATGGAATAATCAAAAATAAATATGATAAAAAATAAAGAATAATACGGACATGAAT 463
QY 691 CCCTTTGATAATTCCTCA 707
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DB 464 GGTATTCATTATTATTA 480
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Job time : 72.6732 secs
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GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

Run on: December 24, 2002, 16:30:47 ; Search time 28.6732 Seconds
(without alignments)
10706.274 Million cell updates/sec

Title: US-09-708-724A-3_COPY_10000_11000
Perfect score: 1001
Sequence: 1 caaaatttcagttaggaga.....gcagcacataatgatcatg 1001

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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- 3: /cgn2_6/ptodata/1/ina/6A.COMB.seq.*
- 4: /cgn2_6/ptodata/1/ina/6B.COMB.seq.*
- 5: /cgn2_6/ptodata/1/ina/PCTUS.COMB.seq.*
- 6: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	63.6	6.4	87350	3	US-08-781-891-79
3	63.6	6.4	87543	4	US-09-791-211-3
4	62.6	6.3	261	1	US-08-334-254-17
5	62.6	6.3	261	2	US-08-848-131-17
6	62.6	6.3	261	5	PCT-US95-14792-17
c 7	59.8	6.0	663	1	US-07-624-313-3
8	59.8	6.0	3804	2	US-08-483-488-5
c 9	59.2	5.9	55827	4	US-09-813-133A-3
10	58.8	5.9	169998	4	US-09-676-610B-24
c 11	56.2	5.6	56516	2	US-08-996-306-1
c 12	56.2	5.6	56516	4	US-09-338-907-1
c 13	56.2	5.6	56516	4	US-09-218-207-1
c 14	56.2	5.6	56520	4	US-09-338-907-179
c 15	56.2	5.6	56520	4	US-09-218-207-179
c 16	55	5.5	168575	4	US-09-426-290-1
c 17	53.2	5.3	586	4	US-09-227-357-103
c 18	52.2	5.2	72928	3	US-09-009-913-1
19	52	5.2	2768	1	US-08-321-478-1
20	52	5.2	2768	1	US-08-321-478-3
21	52	5.2	2768	1	US-08-321-478-5
c 22	51.8	5.2	261	1	US-08-334-254-4
c 23	51.8	5.2	261	2	US-08-848-131-4
c 24	51.8	5.2	261	5	PCT-US95-14792-4
c 25	51	5.1	112132	4	US-09-741-150-3
c 26	50.2	5.0	72928	3	US-09-009-913-1
c 27	48.2	4.8	43795	3	US-08-742-185-101

c 28	47.6	4.8	22067	4	US-09-820-001-3	Sequence 3, Appli
c 29	44	4.4	7218	1	US-08-232-463-14	Sequence 14, Appli
c 30	43.2	4.3	17425	4	US-09-511-625B-5	Sequence 5, Appli
c 31	42.4	4.2	50000	4	US-09-146-053-4	Sequence 4, Appli
c 32	40.4	4.0	5408	1	US-08-471-058-20	Sequence 20, Appli
c 33	40.4	4.0	5408	3	US-08-471-057-20	Sequence 20, Appli
c 34	40.4	4.0	70000	4	US-09-851-896-3	Sequence 3, Appli
c 35	40.2	4.0	565	4	US-09-385-982-431	Sequence 431, App
c 36	40.2	4.0	2193	4	US-09-427-261-2	Sequence 2, Appli
c 37	40.2	4.0	2193	4	US-09-427-261-3	Sequence 3, Appli
c 38	39.6	4.0	1605	4	US-09-149-476-187	Sequence 187, App
c 39	38.8	3.9	40000	4	US-09-780-049-18	Sequence 18, Appli
c 40	38.4	3.8	3740	4	US-09-162-274A-6	Sequence 6, Appli
c 41	38.4	3.8	6060	5	PCT-US96-09430-7	Sequence 7, Appli
c 42	38.2	3.8	17327	1	US-07-906-871-15	Sequence 15, Appli
c 43	37.8	3.8	17327	1	US-07-906-871-15	Sequence 15, Appli
c 44	37.6	3.8	1577	4	US-08-821-994-59	Sequence 59, Appli
c 45	37.2	3.7	2202	4	US-09-465-558-59	Sequence 59, Appli

ALIGNMENTS

RESULT 1
US-09-426-290-1
; Sequence 1, Application US/09426290
; Patent No. 6410712
; GENERAL INFORMATION:
; APPLICANT: Berglind Ran Olafsdottir
; APPLICANT: Jeffrey Gulcher
; TITLE OF INVENTION: HUMAN NARCOLEPSY GENE
; FILE REFERENCE: 2345.2001-000
; CURRENT APPLICATION NUMBER: US/09/426,290
; CURRENT FILING DATE: 1999-10-25
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 168575
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (21181)...(21403)
; NAME/KEY: CDS
; LOCATION: (95252)...(95430)
; NAME/KEY: CDS
; LOCATION: (101753)...(101996)
; NAME/KEY: CDS
; LOCATION: (110324)...(110439)
; NAME/KEY: CDS
; LOCATION: (124058)...(124278)
; NAME/KEY: CDS
; LOCATION: (127009)...(127130)
; NAME/KEY: CDS
; LOCATION: (128910)...(129139)
US-09-426-290-1

Query Match 6.8%; Score 68.2; DB 4; Length 168575;
Best Local Similarity 71.4%; Pred. No. 1e-08; Indels 11; Gaps 3;
Matches 135; Conservative 0; Mismatches 43;

QY	14	AGGAAGATAAGTCAAGAGATCTATTGTACTTGGTGACTACAGTT-----AATGTATT 67
DB	71504	AGGAAGATACATCTCAAGAGATCTATTGTACATGTGTATATAGTTAGTAAACAATATTT 71563
QY	68	GTGTCT-----TGACTAATACAGTAGTTCCAGTGTCTTCTACAAACAAAACATGATGG 123
DB	71564	GTATCCTCAAAATGCTAAGAGAGTAGATTTAAGTGTGTTTTCACACAAAAC-TGATAAT 71622
QY	124	TATGTGAGGTAAATGCTAAGACTAGCTTGGGTTAACCATTCACATATCTGTGTAT 183
DB	71623	TATGTGAGGTAAATATATTTTAAATAGTCCCTTCCATGATATATATATCT 71682

QY	184	TTCAAAACA 192		
Db	71683	TTTAAACA 71691		
RESULT 2				
US-08-781-891-79				
; Sequence 79, Application US/08781891				
; Patent No. 6090620				
; GENERAL INFORMATION:				
; APPLICANT: Fu, Ying-Hui				
; APPLICANT: Yu, Chang-En				
; APPLICANT: Oshima, Junko				
; APPLICANT: Mulligan, John T.				
; APPLICANT: Schellenberg, Gerald D.				
; TITLE OF INVENTION: GENE AND GENE PRODUCTS RELATED TO				
; TITLE OF INVENTION: WERNER'S SYNDROME				
; NUMBER OF SEQUENCES: 209				
; CORRESPONDENCE ADDRESS:				
; ADDRESSEE: SEED and BERRY LLP				
; STREET: 6300 Columbia Center, 701 Fifth Avenue				
; CITY: Seattle				
; STATE: Washington				
; COUNTRY: USA				
; ZIP: 98104-7092				
; COMPUTER READABLE FORM:				
; MEDIUM TYPE: Floppy disk				
; COMPUTER: IBM PC compatible				
; OPERATING SYSTEM: PC-DOS/MS-DOS				
; SOFTWARE: PatentIn Release #1.0, Version #1.30				
; CURRENT APPLICATION DATA:				
; APPLICATION NUMBER: US/08/781.891				
; FILING DATE: 27-DEC-1996				
; CLASSIFICATION: 800				
; ATTORNEY/AGENT INFORMATION:				
; NAME: No. 6090620tenburg Ph.D., Carol				
; REGISTRATION NUMBER: 39,317				
; REFERENCE/DOCKET NUMBER: 240052.419				
; TELECOMMUNICATION INFORMATION:				
; TELEPHONE: (206) 622-4900				
; TELEFAX: (206) 682-6031				
; INFORMATION FOR SEQ ID NO: 79:				
; SEQUENCE CHARACTERISTICS:				
; LENGTH: 87350 base pairs				
; TYPE: nucleic acid				
; STRANDEDNESS: single				
; TOPOLOGY: linear				
US-08-781-891-79				
Query Match 6.4%; Score 63.6; DB 3; Length 87350;				
Best Local Similarity 67.2%; Pred. No. 1.5e-07;				
Matches 90; Conservative 0; Mismatches 44; Indels 0; Gaps 0;				
QY	298	AGGAATATAGGATACAAATGTGCACACAGAGAGAATGCCACATGAGGACACACATGAGA 357		
Db	72411	AGAAGATTAGGACAGACACACAGAGAGAAAGGCTGAGTGAGGACACAGGGAGA 72470		
QY	358	ATGTGGCTACTTACAGCCTTAGGAGAGGGCTCCGAGAAACACACACCTACCCACACCT 417		
Db	72471	AGACAGCCATCTCGACGCCAAGGAGAGGGCTCAGAGAAACCAACCCCTACTGACATCC 72530		
QY	418	TGATGTTGGACTTC 431		
Db	72531	TGAGCTGGGCTTC 72544		
RESULT 3				
US-09-791-211-3				
; Sequence 3, Application US/09791211				
; Patent No. 6448080				
; GENERAL INFORMATION:				
; APPLICANT: Donna T. Ward				
; APPLICANT: Andrew T. Watt				

Db 79 ATGAGGGGAGATTATA---ACAAAGACACAGACAGAGGGATGACTGTNAGAGGACACAG 135
 QY 353 TGAGAAATGGCTACTTACAGCCCTAGGAGAGGCGCTCCGAGAGAAACACACACCTTACCCA 412
 Db 136 AGACAGGTGGCGCTACAGGCAAGAGAGAGGCGCTTGGGAGAAACCAACCTGCAGA 195
 QY 413 CACCTTGATGTTGGACTTC 431
 Db 196 CACTGTGCTCTGGGACTTC 214

RESULT 5
 US-08-848-131-17
 ; Sequence 17, Application US/08848131
 ; Patent No. 5958688
 ; GENERAL INFORMATION:
 ; APPLICANT: James Eberwine, Marc Dichter, Kevin Miyashiro
 ; TITLE OF INVENTION: Characterization of mRNA Patterns
 ; TITLE OF INVENTION: in Neurites and Single Cells for Medical Diagnosis and
 ; TITLE OF INVENTION: Therapeutics
 ; NUMBER OF SEQUENCES: 31
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Jane Massey Licata, Esq.
 ; STREET: 210 Lake Drive East, Suite 201
 ; CITY: Cherry Hill
 ; STATE: NJ
 ; COUNTRY: USA
 ; ZIP: 08002
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
 ; COMPUTER: IBM 486
 ; OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
 ; SOFTWARE: WORDPERFECT 5.1
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/848,131
 ; FILING DATE: Herewith
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION NUMBER:
 ; APPLICATION NUMBER: 08/334,254
 ; FILING DATE: No. 5958688ember 3, 1994
 ; PRIOR APPLICATION NUMBER:
 ; APPLICATION NUMBER: PCT/US95/14792
 ; FILING DATE: No. 5958688ember 3, 1995
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Jane Massey Licata
 ; REGISTRATION NUMBER: 32,257
 ; REFERENCE/DOCKET NUMBER: PENN-00219
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (609) 779-2400
 ; TELEFAX: (609) 779-8488
 ; INFORMATION FOR SEQ ID NO: 17:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 261
 ; TYPE: NUCLEIC ACID
 ; STRANDEDNESS: SINGLE
 ; TOPOLOGY: LINEAR
 ; ANTI-SENSE: NO
 ; US-08-848-131-17

Query Match 6.3%; Score 62.6; DB 2; Length 261;
 Best Local Similarity 60.3%; Pred. No. 2.4e-08;
 Matches 120; Conservative 0; Mismatches 76; Indels 3; Gaps 1;

QY 233 AAAAGTTTAAATGAGACCTTAGGGTGGTCCCTAATCCATCTAAGTGATGCTCCAT 292
 Db 19 AATGATGTNAGATGAGGCTACTAGAGTGGCGCTTAAATCCAGAGTGAGTGGTCTTTT 78
 QY 293 GAAAGAGGAAATAAGATACAAATGTGCACACAGAGAAATGGCCACATGAGGACAAA 352
 Db 79 ATGAGGGGAGATTATA---ACAAAGACACAGACAGAGGGATGACTGTNAGAGGACACAG 135
 QY 353 TGAGAAATGGCTACTTACAGCCCTAGGAGAGGCGCTCCGAGAGAAACACACACCTTACCCA 412
 Db 19 AATGATGTNAGATGAGGCTACTAGAGTGGCGCTTAAATCCAGAGTGAGTGGTCTTTT 78
 QY 293 GAAAGAGGAAATAAGATACAAATGTGCACACAGAGAAATGGCCACATGAGGACAAA 352
 Db 79 ATGAGGGGAGATTATA---ACAAAGACACACAGACAGAGGGATGACTGTNAGAGGACACAG 135
 QY 353 TGAGAAATGGCTACTTACAGCCCTAGGAGAGGCGCTCCGAGAGAAACACACACCTTACCCA 412
 Db 19 AATGATGTNAGATGAGGCTACTAGAGTGGCGCTTAAATCCAGAGTGAGTGGTCTTTT 78
 QY 413 CACCTTGATGTTGGACTTC 431
 Db 196 CACTGTGCTCTGGGACTTC 214

RESULT 7
 US-07-624-313-3/c

Db 136 AGACAGGTGGCGCTCTACAGGCAAGAGAGAGGCGCTTGGGAGAAACCAACCTGCAGA 195
 QY 413 CACCTTGATGTTGGACTTC 431
 Db 196 CACTGTGCTCTGGGACTTC 214

RESULT 6
 PCT-US95-14792-17
 ; Sequence 17, Application PC/TUS9514792
 ; GENERAL INFORMATION:
 ; APPLICANT: James Eberwine, Marc Dichter, Kevin Miyashiro
 ; TITLE OF INVENTION: USE OF NEURITE LOCALIZED MRNAS FOR
 ; TITLE OF INVENTION: MEDICAL DIAGNOSIS AND THERAPEUTICS
 ; NUMBER OF SEQUENCES: 28
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Jane Massey Licata, Esq.
 ; STREET: 210 Lake Drive East, Suite 201
 ; CITY: Cherry Hill
 ; STATE: NJ
 ; COUNTRY: USA
 ; ZIP: 08002
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
 ; COMPUTER: IBM 486
 ; OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
 ; SOFTWARE: WORDPERFECT 5.1
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: PCT/US95/14792
 ; FILING DATE: Herewith
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER:
 ; FILING DATE:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Jane Massey Licata
 ; REGISTRATION NUMBER: 32,257
 ; REFERENCE/DOCKET NUMBER: PENN-0028
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (609) 779-2400
 ; TELEFAX: (609) 779-8488
 ; INFORMATION FOR SEQ ID NO: 17:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 261
 ; TYPE: NUCLEIC ACID
 ; STRANDEDNESS: SINGLE
 ; TOPOLOGY: LINEAR
 ; ANTI-SENSE: NO
 ; PCT-US95-14792-17

Query Match 6.3%; Score 62.6; DB 5; Length 261;
 Best Local Similarity 60.3%; Pred. No. 2.4e-08;
 Matches 120; Conservative 0; Mismatches 76; Indels 3; Gaps 1;

QY 233 AAAAGTTTAAATGAGACCTTAGGGTGGTCCCTAATCCATCTAAGTGATGCTCCAT 292
 Db 19 AATGATGTNAGATGAGGCTACTAGAGTGGCGCTTAAATCCAGAGTGAGTGGTCTTTT 78
 QY 293 GAAAGAGGAAATAAGATACAAATGTGCACACAGAGAAATGGCCACATGAGGACAAA 352
 Db 79 ATGAGGGGAGATTATA---ACAAAGACACAGACAGAGGGATGACTGTNAGAGGACACAG 135
 QY 353 TGAGAAATGGCTACTTACAGCCCTAGGAGAGGCGCTCCGAGAGAAACACACACCTTACCCA 412
 Db 136 AGACAGGTGGCGCTCTACAGGCAAGAGAGAGGCGCTTGGGAGAAACCAACCTGCAGA 195
 QY 413 CACCTTGATGTTGGACTTC 431
 Db 196 CACTGTGCTCTGGGACTTC 214

; Sequence 3, Application US/07624313
; Patent No. 5250411
; GENERAL INFORMATION:
; APPLICANT: Ayyanathan, K.
; APPLICANT: Bhat, P.
; APPLICANT: Datta, S.
; APPLICANT: Francis, V.S.N.K.
; APPLICANT: Padmanaban, G.
; APPLICANT: Srinivasa, H.
; TITLE OF INVENTION: NEW ANALYSIS METHOD
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: White & Case
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2787
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/624,313
; FILING DATE: 19901204
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: SE 8904100-8
; FILING DATE: 05-DEC-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Ryan, John W.
; REGISTRATION NUMBER: 33,771
; REFERENCE/DOCKET NUMBER: 1103326-811
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-819-8515
; TELEFAX: 212-354-8113
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 663 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Plasmodium vivax
; IMMEDIATE SOURCE:
; CLONE: pARC 1153
; US-07-624-313-3

Query Match 6.0%; Score 59.8; DB 1; Length 663;
Best Local Similarity 60.7%; Pred. No. 2.1e-07;
Matches 138; Conservative 0; Mismatches 52; Indels 17; Gaps 3;
QY 1 CAAATTCAGTTAGGAAGATAAGTCAAGAGATCTATTCTGCTGACTACAGT-- 58
DB 501 CAAATATATCTTAGGAGGAATAGTCAAAAACATATGTCAATGAGGTGACCATAG 442
QY 59 -----TAATGTATGTGTTCTTGA-----CTAATACAGTAGATTTTCGAGTGTCTCA 105
DB 441 TTAATAACAATGTTTATATACTTGAAATTTGCTAAAGAGTAGATTCGAGGTCTCA 382
QY 106 CAACAAAACATGATGGTATGTGAGGTATGCATATGCAACATAGCTTGGGTAAACAT 165
DB 381 CCACAAAAAAT--TGATTTATGTGAGGTAAATATGTATCTTAATTAGCTTAATTTAGCCAT 324
QY 166 TCCACAATATGTGTATTTCAAAACA 192
DB 323 TCTGCAATGTATACATATATCAAAATA 297

RESULT 8
US-08-483-488-5
; Sequence 5, Application US/08483488
; Patent No. 5853985
; GENERAL INFORMATION:
; APPLICANT: Salbaum, Johannes; Masters, Colin;
; APPLICANT: Beyreuther, Konrad
; TITLE OF INVENTION: Promoter of the Gene for the
; TITLE OF INVENTION: Human Precursor of the Alzheimer's
; TITLE OF INVENTION: Disease and its Use
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SPRUNG HORN KRAMER & WOODS
; STREET: 660 White Plains Road
; CITY: Tarrytown
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10591-5144
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 Inch, 1.44MB
; MEDIUM TYPE: storage
; COMPUTER: NEC Powermate SX/20
; OPERATING SYSTEM: DOS
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/483,488
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/325,745
; FILING DATE: 19-OCT-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/153,546
; FILING DATE: 16-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/901,330
; FILING DATE: 19-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/393,360
; FILING DATE: 14-AUG-1989
; APPLICATION DATA:
; APPLICATION NUMBER: US 07/385,758
; FILING DATE: 26-AUG-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: UK 8820450.8
; FILING DATE: 30-AUG-1988
; ATTORNEY/AGENT INFORMATION:
; NAME: Kurt G. Briscoe
; REGISTRATION NUMBER: 33,141
; REFERENCE/DOCKET NUMBER: MTI 212.6-KGB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (914) 332-1700
; TELEFAX: (914) 332-1844
; TELEX:
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3804 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-483-488-5
Query Match 6.0%; Score 59.8; DB 2; Length 3804;
Best Local Similarity 71.2%; Pred. No. 4.4e-07;
Matches 79; Conservative 0; Mismatches 32; Indels 0; Gaps 0;
QY 321 ACACAGAGAGAAATGGCCACATGAGGACACAAATGAGAAATGGCTACTTACAAGCCTAGG 380
DB 56 ACACAGAGAGAGAGACCATGTGAGATACAGGAGAGAGTGGCCATCTGCAAGCCAAGG 115
QY 381 AGAGAGGCTCCGAGAAACACACCCCTACCCACACCTTGTATGTTGGACTTC 431
DB 116 AGAGAGGCTCAGAAGTAACCAACTCAGCCAACACCTCGATTTCAGACTTC 166

RESULT 9

US-09-813-133A-3/c
; Sequence 3, Application US/09813133A

; Patent No. 6455294

; GENERAL INFORMATION:

; APPLICANT: GAN, Weiniu et al

; TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS,

; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS, AND

; TITLE OF INVENTION: USES THEREOF

; FILE REFERENCE: CL001173

; CURRENT APPLICATION NUMBER: US/09/813,133A

; CURRENT FILING DATE: 2001-06-06

; NUMBER OF SEQ ID NOS: 4

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 3

; LENGTH: 55827

; TYPE: DNA

; ORGANISM: Human

US-09-813-133A-3

Query Match 5.9%; Score 59.2; DB 4; Length 55827;

Best Local Similarity 62.8%; Pred. No. 2e-06;

Matches 108; Conservative 0; Mismatches 63; Indels 1; Gaps 1;

QY 261 GGGTCTTAATCCAATCTAAGTGTGATGCTCCAT-GAAAGAGGAAATAAGGATACAAATGTG 319

DB 45544 GGGCTCTAATCCAATCTAAGTGTGATGCTCCCTTATAGGAATAAGAGACACACAGGAGGTT 45485

QY 320 CACACAGAGAAATGGGCACATGAGGACACAAATGAGATGTGGTACTTTACAAGCCCTAG 379

DB 45484 TGTGCAAGAAAGAGAGGCCATGTGAGGCGACAGAGAGAGGCGGCATCTACAAGCCAAT 45425

QY 380 GAGAGAGGCTCGGAAACACACACCTACCCACACCTTGATGTTGGACTTC 431

DB 45424 GAGAGAAATCCTCAGGAAGACCTCACTCTGCTGGTACCTTGATTTTGGAGCTC 45373

RESULT 10

US-09-676-610B-24

; Sequence 24, Application US/09676610B

; Patent No. 644465

; GENERAL INFORMATION:

; APPLICANT: C. Frank Bennett

; APPLICANT: Jacqueline Wyatt

; APPLICANT: Susan M. Freier

; TITLE OF INVENTION: OLIGONUCLEOTIDE INHIBITION OF HER-1 EXPRESSION

; FILE REFERENCE: RTS-0138

; CURRENT APPLICATION NUMBER: US/09/676,610B

; CURRENT FILING DATE: 2000-09-29

; NUMBER OF SEQ ID NOS: 182

; SEQ ID NO 24

; LENGTH: 169998

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: exon

; LOCATION: (1208)...(1472)

; NAME/KEY: Intron

; LOCATION: (1473)...(124390)

; NAME/KEY: exon

; LOCATION: (124391)...(124544)

; NAME/KEY: Intron

; LOCATION: (124545)...(125409)

; NAME/KEY: exon

; LOCATION: (125410)...(125595)

; NAME/KEY: Intron

; LOCATION: (125596)...(128711)

; NAME/KEY: exon

; LOCATION: (128712)...(128848)

; NAME/KEY: Intron

; LOCATION: (128849)...(133400)

; NAME/KEY: exon
; LOCATION: (133401)...(133469)
; NAME/KEY: Intron
; LOCATION: (133470)...(134652)
; NAME/KEY: exon
; LOCATION: (134653)...(134773)
; NAME/KEY: Intron
; LOCATION: (134774)...(136116)
; NAME/KEY: exon
; LOCATION: (136117)...(136261)
; NAME/KEY: Intron
; LOCATION: (136262)...(137936)
; NAME/KEY: exon
; LOCATION: (137937)...(138053)
; NAME/KEY: Intron
; LOCATION: (138054)...(138637)
; NAME/KEY: exon
; LOCATION: (138638)...(138766)
; NAME/KEY: Intron
; LOCATION: (138767)...(138864)
; NAME/KEY: exon
; LOCATION: (138865)...(138940)
; NAME/KEY: Intron
; LOCATION: (138941)...(139765)
; NAME/KEY: exon
; LOCATION: (139766)...(139860)
; NAME/KEY: Intron
; LOCATION: (139861)...(142245)
; NAME/KEY: exon
; LOCATION: (142246)...(142445)
; NAME/KEY: Intron
; LOCATION: (142446)...(143605)
; NAME/KEY: exon
; LOCATION: (143606)...(143738)
; NAME/KEY: Intron
; LOCATION: (143739)...(145838)
; NAME/KEY: exon
; LOCATION: (145839)...(145931)
; NAME/KEY: Intron
; LOCATION: (145932)...(147385)
; NAME/KEY: exon
; LOCATION: (147386)...(147544)
; NAME/KEY: Intron
; LOCATION: (147545)...(153274)
; NAME/KEY: exon
; LOCATION: (153275)...(153321)
; NAME/KEY: Intron
; LOCATION: (153322)...(155088)
; NAME/KEY: exon
; LOCATION: (155089)...(155231)
; NAME/KEY: Intron
; LOCATION: (155232)...(156025)
; NAME/KEY: exon
; LOCATION: (156026)...(156151)
; NAME/KEY: Intron
; LOCATION: (156152)...(156826)
; NAME/KEY: exon
; LOCATION: (156827)...(156928)
; NAME/KEY: Intron
; LOCATION: (156929)...(163399)
; NAME/KEY: exon
; LOCATION: (163400)...(163586)
US-09-676-610B-24

Query Match 5.9%; Score 58.8; DB 4; Length 169998;

Best Local Similarity 64.4%; Pred. No. 4.2e-06;

Matches 143; Conservative 0; Mismatches 62; Indels 17; Gaps 3;

QY 8 TCAGTTAGGAAGATAAGTGCAGAGATCTATTGTACTTGGTGACTACAGT----- 58

DB 62693 TTAGACAGGAGGAATAAGTTAAGAGATCTATTGCACATCATGGTAAGTGTAGTTAGTGA 62752

QY 59 TAATGTATTGTCTTCTTGA-----CTAATACAGTAGATTTTCGAGTGTCTCACACAAA 112

Db 62753 CAATGTATTGTATCATGAAAAATTGCTAAGAGAGTAGATTTTAAAGTGTCTCCACCACACC 62812
Qy 113 AACATGATGGGTATGTGAGGTAAATGCATATGCAAACTAGCTTGGTTAAACCATTCACCAA 172
Db 62813 AAAA--AAAGTATGTGCAGTAATAACAGCTCATTAATTAGCTTGATGTAGCCATTCACCAA 62870
Qy 173 TATGTGTGTAATTCAAAACAGCTACCATATAAATGCAGACAATTT 214
Db 62871 TGGATACATATATCAAAACATCATGTTGTATACCATATAAT 62912

RESULT 11

US-08-996-306-1/c
; Sequence 1, Application US/08996306
; Patent No. 5945522
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Chumakov, Ilya
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Bougueleret, Lydie
; TITLE OF INVENTION: Prostate cancer gene
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe, Martens, Olson & Bear
; STREET: 501 West Broadway
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92101-3505
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: Win95
; SOFTWARE: Word
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/996,306
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Israelsen, Ned A.
; REGISTRATION NUMBER: 29,655
; REFERENCE/DOCKET NUMBER: GENSET.018A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 235-8550
; TELEFAX: (619) 235-0176
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 56516 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: DOUBLE
; TOPOLOGY: LINEAR
; MOLECULE TYPE: GENOMIC DNA
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: Promoter
; LOCATION: 1629..1870
; IDENTIFICATION METHOD: Proscan
; FEATURE:
; NAME/KEY: Potential ATG
; LOCATION: 1998..2000
; FEATURE:
; NAME/KEY: Exon 1
; LOCATION: 2001..2216
; FEATURE:
; NAME/KEY: ATG
; LOCATION: 2031..2033
; FEATURE:
; NAME/KEY: TYR phos
; LOCATION: 11694..14332
; FEATURE:
; NAME/KEY: SEQ ID42

; LOCATION: 11930..11947
; FEATURE:
; NAME/KEY: SEQ ID24
; LOCATION: 12057..12103
; FEATURE:
; NAME/KEY: SEQ ID51
; LOCATION: compl(12339..12358)
; FEATURE:
; NAME/KEY: SEQ ID64
; LOCATION: 13547..13564
; FEATURE:
; NAME/KEY: SEQ ID58
; LOCATION: 13657..13703
; FEATURE:
; NAME/KEY: SEQ ID67
; LOCATION: compl(13962..13981)
; FEATURE:
; NAME/KEY: Exon 2
; LOCATION: 18196..18265
; FEATURE:
; NAME/KEY: Exon 3
; LOCATION: 23717..23832
; FEATURE:
; NAME/KEY: Exon 4
; LOCATION: 25571..25660
; FEATURE:
; NAME/KEY: SEQ ID43
; LOCATION: 34216..34234
; FEATURE:
; NAME/KEY: SEQ ID25
; LOCATION: 34469..34515
; FEATURE:
; NAME/KEY: SEQ ID52
; LOCATION: compl(34625..34645)
; FEATURE:
; NAME/KEY: Exon 5
; LOCATION: 34669..34759
; FEATURE:
; NAME/KEY: Exon 6
; LOCATION: 40688..40846
; FEATURE:
; NAME/KEY: Exon 7
; LOCATION: 48070..48193
; FEATURE:
; NAME/KEY: Exon 8
; LOCATION: 50182..54523
; FEATURE:
; NAME/KEY: SEQ ID65
; LOCATION: 51149..51168
; FEATURE:
; NAME/KEY: SEQ ID59
; LOCATION: 51448..51494
; FEATURE:
; NAME/KEY: SEQ ID68
; LOCATION: compl(51482..51499)
; FEATURE:
; NAME/KEY: SEQ ID44
; LOCATION: 51596..51613
; FEATURE:
; NAME/KEY: SEQ ID26
; LOCATION: 51612..51658
; FEATURE:
; NAME/KEY: SEQ ID53
; LOCATION: compl(51996..52015)
; FEATURE:
; NAME/KEY: polyAd signal
; LOCATION: 54445..54450
; US-08-996-306-1

Query Match 5.6%; Score 56.2; DB 2; Length 56516;
Best Local Similarity 72.3%; Pred. No. 1.4e-05;
Matches 73; Conservative 0; Mismatches 28; Indels 0; Gaps 0;

QY 331 AAATGCCACATGAGACACACATGAGATGGCTTACTTACAGCCTAGGAGAGAGGCCT 390
||| |||| |||| |||| |||| |||| |||| |||| |||| |||| |||| |||| |||| ||||
Db 24908 AAAAACCACCTGAGACACAGGAAGGATGCTGTCTGCAAGCCTGGGAGAGAGGCCT 24849
QY 391 CGAGAAACACACACCTTACCCACACCTTGAUUGTTGGACTTC 431
| |||| |||| |||| |||| |||| |||| |||| |||| |||| |||| |||| |||| ||||
Db 24848 TGGGAGAACTAACCCCTGTCACACCTTGTATCTTGGATGTC 24808

RESULT 12
US-09-338-907-1/c
; Sequence 1, Application US/09338907
; Patent No. 6265546
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Iliya, Chumakov
; APPLICANT: Bougueleret, Lydie
; TITLE OF INVENTION: PROSTATE CANCER GENE
; FILE REFERENCE: GENSET.18CP1CP
; CURRENT APPLICATION NUMBER: US/09/338,907
; EARLIER FILING DATE: 1999-06-23
; EARLIER APPLICATION NUMBER: 08/996,306
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: 60/099,658
; EARLIER FILING DATE: 1998-09-09
; EARLIER APPLICATION NUMBER: 09/218,207
; EARLIER FILING DATE: 1998-12-22
; NUMBER OF SEQ ID NOS: 578
; SOFTWARE: Patent.pm
; SEQ ID NO 1
; LENGTH: 56516
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: promoter
; LOCATION: 1629..1870
; OTHER INFORMATION: identification method Proscan
; FEATURE:
; NAME/KEY: misc-feature
; LOCATION: 1998..2000
; OTHER INFORMATION: potential start codon
; FEATURE:
; NAME/KEY: exon
; LOCATION: 2001..2216
; OTHER INFORMATION: exon1
; FEATURE:
; NAME/KEY: misc-feature
; LOCATION: 2031..2033
; OTHER INFORMATION: ATG
; FEATURE:
; NAME/KEY: misc-feature
; LOCATION: 11694..14332
; OTHER INFORMATION: Tyr Phos
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 11930..11947
; OTHER INFORMATION: upstream amplification primer 4-77 SEQ ID42
; FEATURE:
; NAME/KEY: allele
; LOCATION: 12057..12103
; OTHER INFORMATION: polymorphic fragment 4-77 SEQ ID24
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 12339..12358
; OTHER INFORMATION: downstream amplification primer 4-77 SEQ ID51, complement
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 13547..13564
; OTHER INFORMATION: upstream amplification primer 4-73 SEQ ID64
; FEATURE:
; NAME/KEY: allele
; LOCATION: 13657..13703

; OTHER INFORMATION: polymorphic fragment 4-73 SEQ ID58
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 13962..13981
; OTHER INFORMATION: downstream amplification primer 4-73 SEQ ID67, complement
; FEATURE:
; NAME/KEY: exon
; LOCATION: 18196..18265
; OTHER INFORMATION: exon 2
; FEATURE:
; NAME/KEY: exon
; LOCATION: 23717..23832
; OTHER INFORMATION: exon 3
; FEATURE:
; NAME/KEY: exon
; LOCATION: 25571..25660
; OTHER INFORMATION: exon 4
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 34216..34234
; OTHER INFORMATION: upstream amplification primer 99-217 SEQ ID43
; FEATURE:
; NAME/KEY: allele
; LOCATION: 34469..34515
; OTHER INFORMATION: polymorphic fragment 99-217 SEQ ID25
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 34625..34645
; OTHER INFORMATION: downstream amplification primer 99-217 SEQ ID52, complement
; FEATURE:
; NAME/KEY: exon
; LOCATION: 34669..34759
; OTHER INFORMATION: exon 5
; FEATURE:
; NAME/KEY: exon
; LOCATION: 40688..40846
; OTHER INFORMATION: exon 6
; FEATURE:
; NAME/KEY: exon
; LOCATION: 48070..48193
; OTHER INFORMATION: exon 7
; FEATURE:
; NAME/KEY: exon
; LOCATION: 50182..54523
; OTHER INFORMATION: exon 8
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 51149..51168
; OTHER INFORMATION: upstream amplification primer 4-65 SEQ ID65
; FEATURE:
; NAME/KEY: allele
; LOCATION: 51448..51494
; OTHER INFORMATION: polymorphic fragment 4-65 SEQ ID59
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 51482..51499
; OTHER INFORMATION: downstream amplification primer 4-65 SEQ ID68, complement
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 51596..51613
; OTHER INFORMATION: upstream amplification primer 4-67 SEQ ID44
; FEATURE:
; NAME/KEY: allele
; LOCATION: 51612..51658
; OTHER INFORMATION: polymorphic fragment 4-67 SEQ ID26
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 51996..52015
; OTHER INFORMATION: downstream amplification primer 4-67 SEQ ID53, complement
; FEATURE:
; NAME/KEY: polyA_signal
; LOCATION: 54445..54450
; OTHER INFORMATION: AATAAA


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; FEATURE:
; NAME/KEY: polyA_signal
; LOCATION: 54445..54450
; OTHER INFORMATION: AATAAA
US-09-218-207-1
Query Match      5.6%; Score 56.2; DB 4; Length 56516;
Best Local Similarity 72.3%; Pred. NO. 1.4e-05;
Matches 73; Conservative 0; Mismatches 28; Indels 0; Gaps 0;
QY 331 AAATGCCACATGAGACACATGAGATGTGGCTACTTACAAGCCTAGGAGAGAGGCCT 390
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 24908 AAAAACACACCTGAGACACACAGGAGAGGATGCTGTCTGCAAGCCTGGGAGAGAGGCCT 24849
      - ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 391 CGGAGAAACACACACCTTACCCACACCTTGATGTTGGACTTC 431
      - ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 24848 TGGGAGAAACTAACCCCTGTCAACACCTTGATCTTGGATGTC 24808
      - ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

RESULT 14
US-09-338-907-179/c
; Sequence 179, Application US/09338907
; Patent No. 6265346
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Ilya, Chumakov
; APPLICANT: Bouqueleret, Lydie
; TITLE OF INVENTION: PROSTATE CANCER GENE
; FILE REFERENCE: GENSET.18CPICP
; CURRENT APPLICATION NUMBER: US/09/338,907
; CURRENT FILING DATE: 1999-06-23
; EARLIER APPLICATION NUMBER: 08/996,306
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: 60/099,658
; EARLIER FILING DATE: 1998-09-09
; EARLIER APPLICATION NUMBER: 09/218,207
; EARLIER FILING DATE: 1998-12-22
; NUMBER OF SEQ ID NOS: 578
; SOFTWARE: Patent.pm
; SEQ ID NO 179
; LENGTH: 56520
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: exon
; LOCATION: 2001..2216
; OTHER INFORMATION: exon1
; FEATURE:
; NAME/KEY: exon
; LOCATION: 18196..18265
; OTHER INFORMATION: exon2
; FEATURE:
; NAME/KEY: exon
; LOCATION: 23716..23831
; OTHER INFORMATION: exon3
; FEATURE:
; NAME/KEY: exon
; LOCATION: 25570..25659
; OTHER INFORMATION: exon4
; FEATURE:
; NAME/KEY: exon
; LOCATION: 34668..34758
; OTHER INFORMATION: exon5
; FEATURE:
; NAME/KEY: exon
; LOCATION: 40685..40843
; OTHER INFORMATION: exon6
; FEATURE:
; NAME/KEY: exon
; LOCATION: 48067..48190
; OTHER INFORMATION: exon7
; FEATURE:
; NAME/KEY: exon
; LOCATION: 50179..54519
; OTHER INFORMATION: exon8
; FEATURE:
; NAME/KEY: polyA_signal
; LOCATION: 54453..54498
; OTHER INFORMATION: AATAAA
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 1991..2008
; OTHER INFORMATION: upstream amplification primer 5-63
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 2505..2525
; OTHER INFORMATION: downstream amplification primer 5-63, complement
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 4091..4111
; OTHER INFORMATION: downstream amplification primer 99-622
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 4528..4546
; OTHER INFORMATION: upstream amplification primer 99-622, complement
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 5475..5495
; OTHER INFORMATION: downstream amplification primer 99-621
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 5927..5947
; OTHER INFORMATION: upstream amplification primer 99-621, complement
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 8127..8144
; OTHER INFORMATION: downstream amplification primer 99-619
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 8560..8578
; OTHER INFORMATION: upstream amplification primer 99-619, complement
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 11622..11639
; OTHER INFORMATION: upstream amplification primer 4-76
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 12018..12037
; OTHER INFORMATION: downstream amplification primer 4-76, complement
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 11930..11947
; OTHER INFORMATION: upstream amplification primer 4-77
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 12339..12358
; OTHER INFORMATION: downstream amplification primer 4-77, complement
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 12915..12932
; OTHER INFORMATION: upstream amplification primer 4-71
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 13317..13334
; OTHER INFORMATION: downstream amplification primer 4-71, complement
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 13216..13233
; OTHER INFORMATION: upstream amplification primer 4-72
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 13617..13636
; OTHER INFORMATION: downstream amplification primer 4-72, complement
; FEATURE:
; NAME/KEY: primer_bind
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LOCATION: 54493..54498
OTHER INFORMATION: AATAAA
FEATURE:
NAME/KEY: primer_bind
LOCATION: 1991..2008
OTHER INFORMATION: upstream amplification primer 5-63
FEATURE:
NAME/KEY: primer_bind
LOCATION: 2505..2525
OTHER INFORMATION: downstream amplification primer 5-63, complement
FEATURE:
NAME/KEY: primer_bind
LOCATION: 4091..4111
OTHER INFORMATION: downstream amplification primer 99-622
FEATURE:
NAME/KEY: primer_bind
LOCATION: 4528..4546
OTHER INFORMATION: upstream amplification primer 99-622, complement
FEATURE:
NAME/KEY: primer_bind
LOCATION: 5475..5495
OTHER INFORMATION: downstream amplification primer 99-621
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NAME/KEY: primer_bind
LOCATION: 5927..5947
OTHER INFORMATION: upstream amplification primer 99-621, complement
FEATURE:
NAME/KEY: primer_bind
LOCATION: 8127..8144
OTHER INFORMATION: downstream amplification primer 99-619
FEATURE:
NAME/KEY: primer_bind
LOCATION: 8560..8578
OTHER INFORMATION: upstream amplification primer 99-619, complement
FEATURE:
NAME/KEY: primer_bind
LOCATION: 11622..11639
OTHER INFORMATION: upstream amplification primer 4-76
FEATURE:
NAME/KEY: primer_bind
LOCATION: 12018..12037
OTHER INFORMATION: downstream amplification primer 4-76, complement
FEATURE:
NAME/KEY: primer_bind
LOCATION: 11930..11947
OTHER INFORMATION: upstream amplification primer 4-77
FEATURE:
NAME/KEY: primer_bind
LOCATION: 12339..12358
OTHER INFORMATION: downstream amplification primer 4-77, complement
FEATURE:
NAME/KEY: primer_bind
LOCATION: 12915..12932
OTHER INFORMATION: upstream amplification primer 4-71
FEATURE:
NAME/KEY: primer_bind
LOCATION: 13317..13334
OTHER INFORMATION: downstream amplification primer 4-71, complement
FEATURE:
NAME/KEY: primer_bind
LOCATION: 13216..13233
OTHER INFORMATION: upstream amplification primer 4-72
FEATURE:
NAME/KEY: primer_bind
LOCATION: 13617..13636
OTHER INFORMATION: downstream amplification primer 4-72, complement
FEATURE:
NAME/KEY: primer_bind
LOCATION: 13547..13564
OTHER INFORMATION: upstream amplification primer 4-73
FEATURE:
NAME/KEY: primer_bind
LOCATION: 13962..13981
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OTHER INFORMATION: downstream amplification primer 4-73, complement
FEATURE:
NAME/KEY: primer_bind
LOCATION: 15994..16011
OTHER INFORMATION: downstream amplification primer 99-610
FEATURE:
NAME/KEY: primer_bind
LOCATION: 16463..16480
OTHER INFORMATION: upstream amplification primer 99-610, complement
FEATURE:
NAME/KEY: primer_bind
LOCATION: 17304..17324
OTHER INFORMATION: downstream amplification primer 99-609
FEATURE:
NAME/KEY: primer_bind
LOCATION: 17814..17832
OTHER INFORMATION: upstream amplification primer 99-609, complement
FEATURE:
NAME/KEY: primer_bind
LOCATION: 18008..18027
OTHER INFORMATION: upstream amplification primer 4-90
FEATURE:
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LOCATION: 18423..18442
OTHER INFORMATION: downstream amplification primer 4-90, complement
FEATURE:
NAME/KEY: primer_bind
LOCATION: 18699..18716
OTHER INFORMATION: downstream amplification primer 99-607
FEATURE:
NAME/KEY: primer_bind
LOCATION: 19164..19182
OTHER INFORMATION: upstream amplification primer 99-607, complement
FEATURE:
NAME/KEY: primer_bind
LOCATION: 22589..22609
OTHER INFORMATION: downstream amplification primer 99-602
FEATURE:
NAME/KEY: primer_bind
LOCATION: 23111..23129
OTHER INFORMATION: upstream amplification primer 99-602, complement
FEATURE:
NAME/KEY: primer_bind
LOCATION: 25098..25118
OTHER INFORMATION: downstream amplification primer 99-600
FEATURE:
NAME/KEY: primer_bind
LOCATION: 25657..25674
OTHER INFORMATION: upstream amplification primer 99-600, complement
FEATURE:
NAME/KEY: primer_bind
LOCATION: 26537..26557
OTHER INFORMATION: downstream amplification primer 99-598
FEATURE:
NAME/KEY: primer_bind
LOCATION: 27022..27040
OTHER INFORMATION: upstream amplification primer 99-598, complement
FEATURE:
NAME/KEY: primer_bind
LOCATION: 32262..32281
OTHER INFORMATION: downstream amplification primer 99-592
FEATURE:
NAME/KEY: primer_bind
LOCATION: 32823..32841
OTHER INFORMATION: upstream amplification primer 99-592, complement
FEATURE:
NAME/KEY: primer_bind
LOCATION: 34215..34233
OTHER INFORMATION: upstream amplification primer 99-217
FEATURE:
NAME/KEY: primer_bind
LOCATION: 34624..34644
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Query Match 5.6%; Score 56.2; DB 4; Length 56520;
Best Local Similarity 72.3%; Pred. No. 1.4e-05;
Matches 73; Conservative 0; Mismatches 28; Indels 0; Gaps 0;
Qy 331 AAATGGCCACATGAGGACACATGAGATGTGGCTACTTACAAGCCTAGGAGAGAGGCCT 390
Db 24907 AAAAAACCCCTGAGGACACAGGAGAAAGGATGCTGTCTGCAAGCCTGGGAGAGAGGCCT 24848
Qy 391 CCGAGAAACACACACCTACCCACACCTTGATGTTGGACTTC 431
Db 24847 TGGGAGAAACTAACCTGTCAACACCTTGATCTTGGATGTC 24807

Search completed: December 24, 2002, 23:27:35
Job time : 517.673 secs

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